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From: Lombardi, Marc

Sent: Sat 6/3/2017 12:25:54 AM

Subject: Leviathan Mine - 2017 Spring Monitoring

Figure 1 SWDelineationLocs.pdf

Figure 2-2 SW Delineation Results 062912.pdf
Table 2-2 SW Delineation Parameters 120705.pdf
Table 10-05 SW Delineation Field Param 140120.pdf
Figure 2 SWDelineation SWMonLocs.pdf

Lynda,

Attached is some information for our discussion on Monday.

Surface water delineation (for which the 2017 reconnaissance of springs was conducted) is being performed under the On-Property FRI Work Plan:

- Atlantic Richfield Company, 2010, On-Property Focused Remedial Investigation Work Plan, Leviathan Mine Site, Alpine County, California. Prepared by AMEC Geomatrix, Inc., August 11.
- Field parameters and flow were measured in 2011 and 2012. The results were presented in the 2011 and 2012 annual reports:
 - Atlantic Richfield Company, 2012, 2011 Remedial Investigation / Feasibility
 Study Data Summary Report , Leviathan Mine Site, Alpine County, California.
 Prepared by AMEC Environment & Infrastructure, Inc., August 3.
 - Atlantic Richfield Company, 2014, 2012 Remedial Investigation / Feasibility Study Data Summary Report, Leviathan Mine Site, Alpine County, California. Prepared by AMEC Environment & Infrastructure, Inc., January 20.
- Figure 1 shows surface water delineation locations established and monitored in 2011 and 2012 and the new ones established in 2017.
- Figure 2-2 shows the mapped surface water occurrences in 2011. Tables 2-2 and 10-5 provide field parameter and flow measurements collected in 2011 and 2012, respectively. These results were used to inform the design of the surface water monitoring program.
- Figure 2 shows the surface water monitoring locations and the surface water delineation locations together.
- Because of the wetter than average winter, Atlantic Richfield thought it prudent to repeat the surface water delineation task.

Select seeps were sampled in 2016 as part of the surface water / groundwater interaction task:

- Atlantic Richfield Company, 2016, On-Property Focused Remedial Investigation
 Work Plan Amendment No. 11 Task Sampling and Analysis Plan for Surface
 Water / Groundwater Interaction Investigation near Acidic Pond and Leviathan
 Creek, Leviathan Mine Site, Alpine County, California. Prepared by Amec Foster
 Wheeler Environment & Infrastructure, Inc., May 6.
- Samples for laboratory analysis were collected from SD-06, SD-07, SD-08, and SD-10 although SD-08 was dry in the fall. The final validated laboratory data are not yet available.

If you have any questions or comments please contact Tony Brown at (657) 529-4537 or anthony.brown@bp.com.

Thanks,

Marc

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